

(a)(2iii) First Retest Pass

From 1/1/2014 to 12/31/2014

All Vehicles Model Year	A			T			O			B			C			Total		
	Test Count	ASM Pass Count	% Pass	Test Count	TSI Pass Count	% Pass	Test Count	OBD Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass
1968	1	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	1	100.0%
1969	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1970	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1971	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1972	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1973	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1974	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1975	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1976	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1977	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1978	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1979	0	0	0.0%	1	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	1	100.0%
1980	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1981	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1982	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%
1983	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1984	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%
1985	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%
1986	6	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	0	0.0%
1987	6	2	33.3%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	2	33.3%
1988	23	16	69.6%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	23	16	69.6%
1989	44	13	29.5%	6	2	33.3%	0	0	0.0%	0	0	0.0%	0	0	0.0%	50	15	30.0%
1990	321	143	44.5%	21	10	47.6%	0	0	0.0%	0	0	0.0%	0	0	0.0%	342	153	44.7%
1991	468	204	43.6%	37	14	37.8%	0	0	0.0%	0	0	0.0%	0	0	0.0%	505	218	43.2%
1992	480	212	44.2%	38	13	34.2%	0	0	0.0%	0	0	0.0%	0	0	0.0%	518	225	43.4%
1993	679	344	50.7%	56	21	37.5%	0	0	0.0%	0	0	0.0%	0	0	0.0%	735	365	49.7%
1994	957	447	46.7%	74	35	47.3%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1031	482	46.8%
1995	997	470	47.1%	90	45	50.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1087	515	47.4%
1996	0	0	0.0%	21	11	52.4%	759	564	74.3%	204	93	45.6%	17	10	58.8%	1001	678	67.7%
1997	0	0	0.0%	35	15	42.9%	1090	786	72.1%	135	61	45.2%	4	2	50.0%	1264	864	68.4%
1998	0	0	0.0%	38	14	36.8%	1377	1001	72.7%	89	49	55.1%	14	9	64.3%	1518	1073	70.7%
1999	0	0	0.0%	44	27	61.4%	1708	1262	73.9%	0	0	0.0%	0	0	0.0%	1752	1289	73.6%
2000	0	0	0.0%	62	24	38.7%	2460	1877	76.3%	0	0	0.0%	0	0	0.0%	2522	1901	75.4%
2001	0	0	0.0%	34	13	38.2%	2362	1727	73.1%	0	0	0.0%	0	0	0.0%	2396	1740	72.6%
2002	0	0	0.0%	46	26	56.5%	2615	2012	76.9%	0	0	0.0%	0	0	0.0%	2661	2038	76.6%
2003	0	0	0.0%	43	21	48.8%	2285	1767	77.3%	0	0	0.0%	0	0	0.0%	2328	1788	76.8%
2004	1	1	100.0%	39	24	61.5%	2369	1926	81.3%	1	1	100.0%	0	0	0.0%	2410	1952	81.0%
2005	0	0	0.0%	4	2	50.0%	1895	1504	79.4%	1	0	0.0%	0	0	0.0%	1900	1506	79.3%
2006	0	0	0.0%	3	3	100.0%	1893	1539	81.3%	0	0	0.0%	0	0	0.0%	1896	1542	81.3%
2007	0	0	0.0%	0	0	0.0%	1263	1040	82.3%	1	0	0.0%	0	0	0.0%	1264	1040	82.3%
2008	0	0	0.0%	0	0	0.0%	910	770	84.6%	0	0	0.0%	0	0	0.0%	910	770	84.6%
2009	0	0	0.0%	0	0	0.0%	465	396	85.2%	0	0	0.0%	0	0	0.0%	465	396	85.2%
2010	0	0	0.0%	0	0	0.0%	393	331	84.2%	0	0	0.0%	0	0	0.0%	393	331	84.2%
2011	0	0	0.0%	0	0	0.0%	279	235	84.2%	0	0	0.0%	0	0	0.0%	279	235	84.2%
2012	0	0	0.0%	0	0	0.0%	350	315	90.0%	0	0	0.0%	0	0	0.0%	350	315	90.0%
2013	0	0	0.0%	0	0	0.0%	101	80	79.2%	0	0	0.0%	0	0	0.0%	101	80	79.2%
2014	0	0	0.0%	0	0	0.0%	18	14	77.8%	0	0	0.0%	0	0	0.0%	18	14	77.8%
2015	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Totals:	3986	1853	46.5%	692	321	46.4%	24592	19146	77.9%	431	204	47.3%	35	21	60.0%	29736	21545	72.5%
(a)(2ii) First Retest Fail																		
Totals:	3986	1313	32.9%	692	234	33.8%	24592	1516	6.2%	431	135	31.3%	35	6	17.1%	29736	3204	10.8%
Percent of First retest																		
FRPass	3166	58.5%		555	57.8%		20662	92.7%		339	60.2%		27	77.8%		24749	87.1%	
Percent of First retest																		
FRFail	3166	41.5%		555	42.2%		20662	7.3%		339	39.8%		27	22.2%		24749	12.9%	

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(a)(2iii) First Retest Pass

From 1/1/2014 to 12/31/2014

Passenger Model Year	A			T			O			B			C			Total		
	ASM			TSI			OBD			OBD+ ASM			OBD+ TSI					
	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass
1968	1	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	1	100.0%
1969	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1970	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1971	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1972	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1973	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1974	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1975	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1976	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1977	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1978	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1979	0	0	0.0%	1	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	1	100.0%
1980	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1981	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1982	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%
1983	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1984	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%
1985	1	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	0	0.0%
1986	4	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	4	0	0.0%
1987	5	1	20.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	5	1	20.0%
1988	10	6	60.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	10	6	60.0%
1989	21	8	38.1%	2	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	23	8	34.8%
1990	209	90	43.1%	7	3	42.9%	0	0	0.0%	0	0	0.0%	0	0	0.0%	216	93	43.1%
1991	278	109	39.2%	20	8	40.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	298	117	39.3%
1992	323	141	43.7%	17	5	29.4%	0	0	0.0%	0	0	0.0%	0	0	0.0%	340	146	42.9%
1993	373	178	47.7%	27	10	37.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	400	188	47.0%
1994	505	234	46.3%	43	20	46.5%	0	0	0.0%	0	0	0.0%	0	0	0.0%	548	254	46.4%
1995	530	254	47.9%	31	15	48.4%	0	0	0.0%	0	0	0.0%	0	0	0.0%	561	269	48.0%
1996	0	0	0.0%	0	0	0.0%	424	314	74.1%	148	69	46.6%	17	10	58.8%	589	393	66.7%
1997	0	0	0.0%	1	0	0.0%	613	448	73.1%	100	43	43.0%	4	2	50.0%	718	493	68.7%
1998	0	0	0.0%	0	0	0.0%	836	620	74.2%	87	48	55.2%	14	9	64.3%	937	677	72.3%
1999	0	0	0.0%	0	0	0.0%	1047	773	73.8%	0	0	0.0%	0	0	0.0%	1047	773	73.8%
2000	0	0	0.0%	0	0	0.0%	1503	1137	75.6%	0	0	0.0%	0	0	0.0%	1503	1137	75.6%
2001	0	0	0.0%	0	0	0.0%	1316	946	71.9%	0	0	0.0%	0	0	0.0%	1316	946	71.9%
2002	0	0	0.0%	0	0	0.0%	1421	1056	74.3%	0	0	0.0%	0	0	0.0%	1421	1056	74.3%
2003	0	0	0.0%	0	0	0.0%	1231	948	77.0%	0	0	0.0%	0	0	0.0%	1231	948	77.0%
2004	1	1	100.0%	0	0	0.0%	1128	900	79.8%	0	0	0.0%	0	0	0.0%	1129	901	79.8%
2005	0	0	0.0%	0	0	0.0%	1027	805	78.4%	0	0	0.0%	0	0	0.0%	1027	805	78.4%
2006	0	0	0.0%	0	0	0.0%	1029	838	81.4%	0	0	0.0%	0	0	0.0%	1029	838	81.4%
2007	0	0	0.0%	0	0	0.0%	693	562	81.1%	0	0	0.0%	0	0	0.0%	693	562	81.1%
2008	0	0	0.0%	0	0	0.0%	490	405	82.7%	0	0	0.0%	0	0	0.0%	490	405	82.7%
2009	0	0	0.0%	0	0	0.0%	286	240	83.9%	0	0	0.0%	0	0	0.0%	286	240	83.9%
2010	0	0	0.0%	0	0	0.0%	207	170	82.1%	0	0	0.0%	0	0	0.0%	207	170	82.1%
2011	0	0	0.0%	0	0	0.0%	173	147	85.0%	0	0	0.0%	0	0	0.0%	173	147	85.0%
2012	0	0	0.0%	0	0	0.0%	217	189	87.1%	0	0	0.0%	0	0	0.0%	217	189	87.1%
2013	0	0	0.0%	0	0	0.0%	68	53	77.9%	0	0	0.0%	0	0	0.0%	68	53	77.9%
2014	0	0	0.0%	0	0	0.0%	7	5	71.4%	0	0	0.0%	0	0	0.0%	7	5	71.4%
2015	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Totals:	2263	1023	45.2%	149	62	41.6%	13716	10556	77.0%	335	160	47.8%	35	21	60.0%	16498	11822	71.7%

(a)(2ii) First Retest Fail

Totals:	2263	733	32.4%	149	49	32.9%	13716	834	6.1%	335	98	29.3%	35	6	17.1%	16498	1720	10.4%
Percent of First retest																		
FRPass	1756	58.3%			111	55.9%		11390	92.7%		258	62.0%		27	77.8%		13542	87.3%
Percent of First retest																		
FRFail	1756	41.7%			111	44.1%		11390	7.3%		258	38.0%		27	22.2%		13542	12.7%

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(a)(2iii) First Retest Pass

From 1/1/2014 to 12/31/2014

LD Truck Model Year	A			T			O			B			C			Total		
	ASM			TSI			OBD			OBD+ ASM			OBD+ TSI					
	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass
1968	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1969	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1970	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1971	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1972	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1973	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1974	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1975	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1976	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1977	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1978	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1979	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1980	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1981	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1982	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1983	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1984	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1985	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1986	2	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	2	0	0.0%
1987	1	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	1	1	100.0%
1988	13	10	76.9%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	13	10	76.9%
1989	17	5	29.4%	1	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	18	6	33.3%
1990	86	42	48.8%	2	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	88	42	47.7%
1991	166	86	51.8%	6	3	50.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	172	89	51.7%
1992	127	59	46.5%	1	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	128	60	46.9%
1993	241	127	52.7%	10	4	40.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	251	131	52.2%
1994	354	176	49.7%	6	2	33.3%	0	0	0.0%	0	0	0.0%	0	0	0.0%	360	178	49.4%
1995	350	161	46.0%	15	12	80.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	365	173	47.4%
1996	0	0	0.0%	0	0	0.0%	245	188	76.7%	56	24	42.9%	0	0	0.0%	301	212	70.4%
1997	0	0	0.0%	0	0	0.0%	358	254	70.9%	35	18	51.4%	0	0	0.0%	393	272	69.2%
1998	0	0	0.0%	0	0	0.0%	384	265	69.0%	2	1	50.0%	0	0	0.0%	386	266	68.9%
1999	0	0	0.0%	0	0	0.0%	494	370	74.9%	0	0	0.0%	0	0	0.0%	494	370	74.9%
2000	0	0	0.0%	0	0	0.0%	732	564	77.0%	0	0	0.0%	0	0	0.0%	732	564	77.0%
2001	0	0	0.0%	0	0	0.0%	772	571	74.0%	0	0	0.0%	0	0	0.0%	772	571	74.0%
2002	0	0	0.0%	0	0	0.0%	869	697	80.2%	0	0	0.0%	0	0	0.0%	869	697	80.2%
2003	0	0	0.0%	0	0	0.0%	675	527	78.1%	0	0	0.0%	0	0	0.0%	675	527	78.1%
2004	0	0	0.0%	0	0	0.0%	814	663	81.4%	1	1	100.0%	0	0	0.0%	815	664	81.5%
2005	0	0	0.0%	0	0	0.0%	611	492	80.5%	1	0	0.0%	0	0	0.0%	612	492	80.4%
2006	0	0	0.0%	0	0	0.0%	524	426	81.3%	0	0	0.0%	0	0	0.0%	524	426	81.3%
2007	0	0	0.0%	0	0	0.0%	310	260	83.9%	1	0	0.0%	0	0	0.0%	311	260	83.6%
2008	0	0	0.0%	0	0	0.0%	185	167	90.3%	0	0	0.0%	0	0	0.0%	185	167	90.3%
2009	0	0	0.0%	0	0	0.0%	96	82	85.4%	0	0	0.0%	0	0	0.0%	96	82	85.4%
2010	0	0	0.0%	0	0	0.0%	104	92	88.5%	0	0	0.0%	0	0	0.0%	104	92	88.5%
2011	0	0	0.0%	0	0	0.0%	53	42	79.2%	0	0	0.0%	0	0	0.0%	53	42	79.2%
2012	0	0	0.0%	0	0	0.0%	81	77	95.1%	0	0	0.0%	0	0	0.0%	81	77	95.1%
2013	0	0	0.0%	0	0	0.0%	20	17	85.0%	0	0	0.0%	0	0	0.0%	20	17	85.0%
2014	0	0	0.0%	0	0	0.0%	3	3	100.0%	0	0	0.0%	0	0	0.0%	3	3	100.0%
2015	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Totals:	1357	667	49.2%	41	23	56.1%	7330	5757	78.5%	96	44	45.8%	0	0	0.0%	8824	6491	73.6%

(a)(2ii) First Retest Fail

Totals:	1357	464	34.2%	41	13	31.7%	7330	455	6.2%	96	37	38.5%	0	0	0.0%	8824	969	11.0%
Percent of First retest																		
FRPass	1131	59.0%		36	63.9%		6212	92.7%		81	54.3%		0	#DIV/0!		7460	87.0%	
Percent of First retest																		
FRFail	1131	41.0%		36	36.1%		6212	7.3%		81	45.7%		0	#DIV/0!		7460	13.0%	

100.0%

100.0%

100.0%

100.0%

#DIV/0!

100.0%

(a)(2iii) First Retest Pass

From 1/1/2014 to 12/31/2014

MD Truck Model Year	A			T			O			B			C			Total		
	ASM			TSI			OBD			OBD+ ASM			OBD+ TSI					
	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass
1968	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1969	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1970	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1971	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1972	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1973	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1974	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1975	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1976	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1977	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1978	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1979	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1980	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1981	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1982	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1983	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1984	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1985	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1986	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1987	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1988	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1989	6	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	6	0	0.0%
1990	26	11	42.3%	1	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	27	12	44.4%
1991	24	9	37.5%	4	1	25.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	28	10	35.7%
1992	30	12	40.0%	6	3	50.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	36	15	41.7%
1993	65	39	60.0%	4	2	50.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	69	41	59.4%
1994	98	37	37.8%	8	6	75.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	106	43	40.6%
1995	117	55	47.0%	6	2	33.3%	0	0	0.0%	0	0	0.0%	0	0	0.0%	123	57	46.3%
1996	0	0	0.0%	0	0	0.0%	84	57	67.9%	0	0	0.0%	0	0	0.0%	84	57	67.9%
1997	0	0	0.0%	0	0	0.0%	107	76	71.0%	0	0	0.0%	0	0	0.0%	107	76	71.0%
1998	0	0	0.0%	0	0	0.0%	147	109	74.1%	0	0	0.0%	0	0	0.0%	147	109	74.1%
1999	0	0	0.0%	0	0	0.0%	159	113	71.1%	0	0	0.0%	0	0	0.0%	159	113	71.1%
2000	0	0	0.0%	0	0	0.0%	199	157	78.9%	0	0	0.0%	0	0	0.0%	199	157	78.9%
2001	0	0	0.0%	0	0	0.0%	243	191	78.6%	0	0	0.0%	0	0	0.0%	243	191	78.6%
2002	0	0	0.0%	0	0	0.0%	297	238	80.1%	0	0	0.0%	0	0	0.0%	297	238	80.1%
2003	0	0	0.0%	0	0	0.0%	341	264	77.4%	0	0	0.0%	0	0	0.0%	341	264	77.4%
2004	0	0	0.0%	0	0	0.0%	384	330	85.9%	0	0	0.0%	0	0	0.0%	384	330	85.9%
2005	0	0	0.0%	0	0	0.0%	219	179	81.7%	0	0	0.0%	0	0	0.0%	219	179	81.7%
2006	0	0	0.0%	0	0	0.0%	272	220	80.9%	0	0	0.0%	0	0	0.0%	272	220	80.9%
2007	0	0	0.0%	0	0	0.0%	214	180	84.1%	0	0	0.0%	0	0	0.0%	214	180	84.1%
2008	0	0	0.0%	0	0	0.0%	202	170	84.2%	0	0	0.0%	0	0	0.0%	202	170	84.2%
2009	0	0	0.0%	0	0	0.0%	75	66	88.0%	0	0	0.0%	0	0	0.0%	75	66	88.0%
2010	0	0	0.0%	0	0	0.0%	66	54	81.8%	0	0	0.0%	0	0	0.0%	66	54	81.8%
2011	0	0	0.0%	0	0	0.0%	38	32	84.2%	0	0	0.0%	0	0	0.0%	38	32	84.2%
2012	0	0	0.0%	0	0	0.0%	41	38	92.7%	0	0	0.0%	0	0	0.0%	41	38	92.7%
2013	0	0	0.0%	0	0	0.0%	10	8	80.0%	0	0	0.0%	0	0	0.0%	10	8	80.0%
2014	0	0	0.0%	0	0	0.0%	8	6	75.0%	0	0	0.0%	0	0	0.0%	8	6	75.0%
2015	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Totals:	366	163	44.5%	29	15	51.7%	3106	2488	80.1%	0	0	0.0%	0	0	0.0%	3501	2666	76.1%
(a)(2ii) First Retest Fail																		
Totals:	366	116	31.7%	29	12	41.4%	3106	190	6.1%	0	0	0.0%	0	0	0.0%	3501	318	9.1%
Percent of First retest																		
FRPass	279	58.4%		27	55.6%		2678	92.9%		0	#DIV/0!		0	#DIV/0!		2984	89.3%	
Percent of First retest																		
FRFail	279	41.6%		27	44.4%		2678	7.1%		0	#DIV/0!		0	#DIV/0!		2984	10.7%	

100.0%

100.0%

100.0%

#DIV/0!

#DIV/0!

100.0%



(a)(2iii) First Retest Pass

From 1/1/2014 to 12/31/2014

HD Truck Model Year	A			T			O			B			C			Total		
	ASM			TSI			OBD			OBD+ ASM			OBD+ TSI					
	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass	Test Count	Pass Count	% Pass
1968	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1969	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1970	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1971	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1972	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1973	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1974	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1975	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1976	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1977	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1978	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1979	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1980	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1981	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1982	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1983	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1984	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1985	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1986	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1987	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1988	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1989	0	0	0.0%	3	1	33.3%	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	1	33.3%
1990	0	0	0.0%	11	6	54.5%	0	0	0.0%	0	0	0.0%	0	0	0.0%	11	6	54.5%
1991	0	0	0.0%	7	2	28.6%	0	0	0.0%	0	0	0.0%	0	0	0.0%	7	2	28.6%
1992	0	0	0.0%	14	4	28.6%	0	0	0.0%	0	0	0.0%	0	0	0.0%	14	4	28.6%
1993	0	0	0.0%	15	5	33.3%	0	0	0.0%	0	0	0.0%	0	0	0.0%	15	5	33.3%
1994	0	0	0.0%	17	7	41.2%	0	0	0.0%	0	0	0.0%	0	0	0.0%	17	7	41.2%
1995	0	0	0.0%	38	16	42.1%	0	0	0.0%	0	0	0.0%	0	0	0.0%	38	16	42.1%
1996	0	0	0.0%	21	11	52.4%	6	5	83.3%	0	0	0.0%	0	0	0.0%	27	16	59.3%
1997	0	0	0.0%	34	15	44.1%	12	8	66.7%	0	0	0.0%	0	0	0.0%	46	23	50.0%
1998	0	0	0.0%	38	14	36.8%	10	7	70.0%	0	0	0.0%	0	0	0.0%	48	21	43.8%
1999	0	0	0.0%	44	27	61.4%	8	6	75.0%	0	0	0.0%	0	0	0.0%	52	33	63.5%
2000	0	0	0.0%	62	24	38.7%	26	19	73.1%	0	0	0.0%	0	0	0.0%	88	43	48.9%
2001	0	0	0.0%	34	13	38.2%	31	19	61.3%	0	0	0.0%	0	0	0.0%	65	32	49.2%
2002	0	0	0.0%	46	26	56.5%	28	21	75.0%	0	0	0.0%	0	0	0.0%	74	47	63.5%
2003	0	0	0.0%	43	21	48.8%	38	28	73.7%	0	0	0.0%	0	0	0.0%	81	49	60.5%
2004	0	0	0.0%	39	24	61.5%	43	33	76.7%	0	0	0.0%	0	0	0.0%	82	57	69.5%
2005	0	0	0.0%	4	2	50.0%	38	28	73.7%	0	0	0.0%	0	0	0.0%	42	30	71.4%
2006	0	0	0.0%	3	3	100.0%	68	55	80.9%	0	0	0.0%	0	0	0.0%	71	58	81.7%
2007	0	0	0.0%	0	0	0.0%	46	38	82.6%	0	0	0.0%	0	0	0.0%	46	38	82.6%
2008	0	0	0.0%	0	0	0.0%	33	28	84.8%	0	0	0.0%	0	0	0.0%	33	28	84.8%
2009	0	0	0.0%	0	0	0.0%	8	8	100.0%	0	0	0.0%	0	0	0.0%	8	8	100.0%
2010	0	0	0.0%	0	0	0.0%	16	15	93.8%	0	0	0.0%	0	0	0.0%	16	15	93.8%
2011	0	0	0.0%	0	0	0.0%	15	14	93.3%	0	0	0.0%	0	0	0.0%	15	14	93.3%
2012	0	0	0.0%	0	0	0.0%	11	11	100.0%	0	0	0.0%	0	0	0.0%	11	11	100.0%
2013	0	0	0.0%	0	0	0.0%	3	2	66.7%	0	0	0.0%	0	0	0.0%	3	2	66.7%
2014	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
2015	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
Totals:	0	0	0.0%	473	221	46.7%	440	345	78.4%	0	0	0.0%	0	0	0.0%	913	566	62.0%
(a)(2ii) First Retest Fail																		
Totals:	0	0	0.0%	473	160	33.8%	440	37	8.4%	0	0	0.0%	0	0	0.0%	913	197	21.6%
Percent of First retest																		
FRPass	0	#DIV/0!		381	58.0%		382	90.3%		0	#DIV/0!		0	#DIV/0!		763	74.2%	
Percent of First retest																		
FRFail	0	#DIV/0!		381	42.0%		382	9.7%		0	#DIV/0!		0	#DIV/0!		763	25.8%	

#DIV/0!

100.0%

100.0%

#DIV/0!

#DIV/0!

100.0%